

**Notice of Allowability**

Application No.

09/699,145

Examiner

Christopher E. Lee

Applicant(s)

KAEWELL ET AL.

Art Unit

2112

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to telephone conference of 4/25/05.
2. ☒ The allowed claim(s) is/are 1-3, 5-7, 9-11, 13-17 and 20-28.
3. ☐ The drawings filed on \_\_\_\_\_ are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☒ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☒ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date 4.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),  
Paper No./Mail Date 20050425.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

  
Glenn A. Auye  
Primary Patent Examiner  
Technology Center 2100

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**DETAILED ACTION*****Receipt Acknowledgement***

1. Receipt is acknowledged of the request filed on 11<sup>th</sup> of April 2005 for a Request for Continued Examination (RCE) under 37 CFR 1.114 based on the Application No. 09/699,145, which the request is acceptable and an RCE has been established. Claims 1, 5, 9, 15, 21, 24, 25 and 28 have been amended; claims 4, 8, 12, 18 and 19 have been canceled; and no claim has been newly added since the RCE[2] Final Office Action was mailed on 12<sup>th</sup> of January 2005. Currently, claims 1-3, 5-7, 9-11, 13-17 and 20-28 are pending in this application.

***Examiner's Amendment***

2. An Examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to Applicants, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this Examiner's amendment was given in a telephone interview with Mr. Richard L. Cruz (Reg. No. 52,783) on 25<sup>th</sup> of April 2005.

The application has been amended as follows:

**IN THE CLAIM**

In the RCE filed on 11<sup>th</sup> of April 2005;

As to Claim 1, in line 25 (page 3), substitute "the DSP processor" by --the second processor--.

As to Claim 1, in line 28 (page 3), substitute "the second processor" by --the DSP processor--.

As to Claim 7, in line 2 (page 4), substitute "processor" by --second processor--.

As to Claim 9, in line 25 (page 6), substitute "the DSP processor" by --the second processor--.

As to Claim 9, in line 27 (page 6), substitute "second processor" by --DSP processor--.

As to Claim 15, in line 29 (page 9), substitute "the DSP processor" by --the second processor--.

As to Claim 15, in line 32 (page 9), substitute "the second processor" by --the DSP processor--.

***Allowable Subject Matter***

3. Claims 1-3, 5-7, 9-11, 13-17 and 20-28 are allowed.

4. The following is an Examiner's statement of reasons for allowance:

Applicant's claimed invention is deemed allowable over the prior art of record as the prior art fails to teach or suggest that a first parallel data highway using all sixteen of its time slots for transferring data to and from an external parallel data highway; a second parallel data highway using eight of its time slots to transfer data to and from a digital signal processor (DSP) and using eight of its time slots to interface with telephone interface components; a third parallel data highway using nine of its time slots for high-level data link controlling (HDLC) controllers, using three of its time slots to transfer data to and from a second processor, and using four of its time slots for carrying data received and for transmission over the wireless interface, said transmission data being transmitted over four traffic channels.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

***Drawings***

5. The application having been allowed, formal drawings are required in response to this Office Action including changes required by the proposed drawing correction filed on 13<sup>th</sup> of May 2003, which had been approved by the Examiner.

***Conclusion***

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Hwang et al. [US 6,535,505 B1] disclose method and apparatus for providing a time-division multiplexing (TDM) interface among a high-speed data stream and multiple processors.

Asada et al. [US 6,570,976 B2] disclose multimedia private branch exchanger and private branch exchange system.

Wehrend et al. [US 6,614,782 B1] disclose communications system to transmitting data packets between affiliated communication terminals and/or communication terminals of affiliated local networks.

Park [US 6,628,659 B1] discloses ATM cell switching system.

Clayton et al. [US 6,681,001 B1] disclose computer integrated telecommunications systems and  
5 methods.

Lowe et al. [US 6,765,913 B1] disclose bandwidth manager linked list optimization scheme in a digital loop carrier system.

Long et al. [US 6,804,267 B1] disclose transceiver training for DSL modems under TCM-ISDN interference.

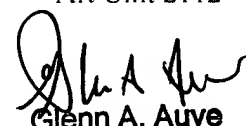
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher E. Lee whose telephone number is 571-272-3637. The examiner can normally be reached on 9:30am - 5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark  
15 H. Rinehart can be reached on 571-272-3632. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available  
20 through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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Christopher E. Lee  
Examiner  
Art Unit 2112

  
Glenn A. Auve  
Primary Patent Examiner  
Technology Center 2100